

CLAIMS

We claim:

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1 1. A method of dynamic group addressing in a digital audio receiver unit,
2 comprising the steps of:
3 receiving a plurality of messages broadcast to a digital audio receiver
4 among a plurality of digital audio receivers;
5 receiving at least one environmental input at the digital audio receiver;
6 and
7 selectively decoding at least one of the plurality of messages
8 broadcast based on a selective call address and said at least one
9 environmental input received at the digital audio receiver.

1 2. The method of claim 1, wherein the step of selectively decoding
2 comprises the step of modifying a group address stored in the digital audio radio
3 based on said at least one environmental input received to create a modified group
4 address and comparing the modified group address with a received group address
5 associated with one of the plurality of messages.

1 3. The method of claim 1, wherein the step of selectively decoding
2 comprises the step of comparing a group address stored in the digital audio radio
3 with a received group address associated with one of the plurality of messages and
4 further comparing a field appended to the received group address with a value
5 corresponding to the at least one environmental input.

1 4. The method of claim 1, wherein the step of selectively decoding
2 comprises the step of comparing a received group address from one of the plurality

3 of messages with an address in a current group address table that is updated with
4 group addresses from a comprehensive group address table based on the
5 environmental inputs received at the digital audio receiver.

1 5. The method of claim 1, wherein the step of receiving said at least one
2 environmental input comprises the step of receiving at least one among vehicle
3 health conditions selected from the group comprising an odometer reading, a speed
4 reading, a temperature reading, a tire pressure reading, a coolant level reading, an
5 air bag deployment status, an ABS break status, or an engine status.

1 6. The method of claim 1, wherein the step of receiving at least one
2 environmental input comprises the step of receiving user inputs.

1 7. The method of claim 6, wherein the step of receiving environmental input
2 further comprises the step of determining if a user is using a program identification
3 function on the digital audio receiver.

1 8. The method of claim 6, wherein the step of receiving environmental input
2 further comprises the step of determining if a user subscribes to a pay-per-listen
3 subscription.

1 9. The method of claim 1, wherein the step of receiving environmental
2 inputs further comprises the step of determining a user's listening habits.

1 10. A digital receiver unit having dynamic group addressing, comprising:
2 a digital audio receiver for receiving a plurality of messages that can
3 be targeted;

4 a plurality of environmental inputs used for targeting at least one of
5 the plurality of messages; and

6 a processor programmed to:

7 (a) receive at least one of the plurality of environmental inputs;

8 (b) dynamically address the plurality of messages based on the
9 data obtained from the at least one of the plurality of environmental
10 inputs.

1 11. The digital receiver unit of claim 10, wherein the at least one
2 environmental input is selected among one or more of the group comprising an
3 odometer reading, vehicle status, vehicle emergency system status, vehicle user
4 alert, a program ID status, a pay-per-listen subscription status, a fuel level, a speed
5 reading, a temperature reading, a tire pressure reading, a coolant level, an airbag
6 deployment status, a location, a mobile/home use status or a listening preference
7 based on actual listening habits of a user.

1 12. The digital receiver unit of claim 10, wherein the digital receiver unit is a
2 satellite digital audio radio.

1 13. A digital receiver unit that can be dynamically addressed, comprising:
2 a receiver capable of receiving a plurality of content specific messages;
3 and

4 a processor for receiving at least one environmental input used to
5 dynamically address the receiver, wherein the processor is programmed to
6 selectively decode messages matching a condition set by the at least one
7 input.

1 14. The digital receiver unit of claim 13, wherein the processor selectively
2 decodes by modifying a group address stored in the digital receiver unit based on
3 the at least one environmental input received to create a modified group address
4 and wherein the processor further compares the modified group address with a
5 received group address associated with one of the plurality of content specific
6 messages.

1 15. The digital receiver unit of claim 13, wherein the processor compares a
2 group address stored in the digital receiver unit with a received group address
3 associated with one of the plurality of content specific messages and further
4 compares a field appended to the received group address with a value
5 corresponding to the at least one environmental input.

1 16. The digital receiver unit of claim 13, wherein the processor compares a
2 received group address from one of the plurality of content specific messages with
3 an address in a current group address table that is updated with group addresses
4 from a comprehensive group address table based on the environmental inputs
5 received at the digital receiver unit.

1 17. The digital receiver unit of claim 13, wherein the at least one
2 environmental input is selected among one or more of the group comprising an
3 odometer reading, a fuel level, a speed reading, a temperature reading, a tire
4 pressure reading, a coolant level, an airbag deployment status, a vehicle status, a
5 vehicle emergency system status, a vehicle user alert, a location, a mobile/home
6 use status, a program ID status, a pay-per-listen subscription status, or listening
7 preferences based on actual listening habits of a user.

1 18. A satellite digital radio capable of being addressed with selective call
2 messages, comprising:

3 a selective call receiver for receiving a plurality of messages targeted
4 for a group of users meeting a specified criteria;

5 a plurality of inputs coupled to a user interface for the satellite digital
6 radio for providing at least a portion of the specified criteria; and

7 a decoder coupled to the selective call receiver for decoding at least a
8 portion of the plurality of messages matching a dynamic group call address
9 created with and meeting the specified criteria.

1 19. The satellite digital radio of claim 15, wherein the specified criteria is
2 extracted from at least one or more inputs selected among the group of an
3 odometer reading, a speed reading, a temperature reading, tire pressure reading, a
4 coolant level, fuel level, an airbag deployment status, a vehicle status, a vehicle
5 emergency system status, a vehicle user alert, a location, a program ID status, a
6 pay-per-listen subscription status, a mobile/home use status or a listening
7 preference based on actual listening habits of a user.

1 20. The satellite digital radio of claim 16, wherein the satellite digital radio is
2 integrated in a telematics system in an automobile.